

REMARKS

In the Office Action dated June 2, 2003, claims 1-17 were rejected under 35 U.S.C. §102(b) as being anticipated by Frese et al.

In response, claims 1-13 have been cancelled, and new claims 14-18 are submitted herein. Independent claim 14 is a generic claim that covers each of the three embodiments respectively shown in Figures 3, 5 and 5. Claim 15 describes the structure of the embodiment of Figure 3, claim 16 describes the structure of the embodiment of Figure 4.

In all of these embodiments, the respective longitudinal conductor sections of the gradient coil and the shielding coil are disposed closer to each other than the radial spacing between the respective circumferential conductor sections of the gradient coil and the shielding coil. No such structure is disclosed or suggested in the Frese et al. reference, or in any of the other references of record.

The rejection of original claims 1-13 is moot, however, assuming that the Examiner still may consider the Frese et al. reference as being relevant to the subject matter of new claims 14-18, Applicants submit that the Frese et al. reference does not disclose all of the elements of independent claim 14, and the claims depending therefrom, and therefore does not anticipate any of those claims.

Moreover, there is no suggestion or teaching in the Frese et al. reference to arrange the respective longitudinal conductor sections of the gradient coil and the shielding coil at a distance from each other that is less than the distance between the respective circumferential conductor sections of the gradient coil and the shielding coil. Claims 14-18 therefore would not have been obvious to a person of ordinary skill in the art based on the teachings of Frese et al.

All claims of the application are therefore submitted to be in condition for allowance, and early reconsideration of the application is respectfully requested.

Submitted by,

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